



## RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/689,992B  
Source: IFW16  
Date Processed by STIC: 3/12/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses.

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):  
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFW16

## RAW SEQUENCE LISTING

DATE: 03/12/2004

PATENT APPLICATION: US/09/689,992B

TIME: 09:22:45

Input Set : A:\seq1st3.txt

Output Set: N:\CRF4\03122004\I689992B.raw

3 <110> APPLICANT: Mello, Craig C.  
 4 Tabara, Hiroaki  
 5 Grishok, Alla  
 6 Fire, Andrew  
 8 <120> TITLE OF INVENTION: RNA INTERFERENCE PATHWAY GENES AS TOOLS FOR TARGETED GENETIC  
 9 INTERFERENCE  
 11 <130> FILE REFERENCE: UMG-052  
 13 <140> CURRENT APPLICATION NUMBER: US 09/689,992B  
 14 <141> CURRENT FILING DATE: 2000-10-13  
 16 <150> PRIOR APPLICATION NUMBER: US 60/193,218  
 17 <151> PRIOR FILING DATE: 2000-03-30  
 19 <150> PRIOR APPLICATION NUMBER: US 60/159,776  
 20 <151> PRIOR FILING DATE: 1999-10-15  
 22 <160> NUMBER OF SEQ ID NOS: 14  
 24 <170> SOFTWARE: FastSEQ for Windows Version 4.0

## ERRORED SEQUENCES

532 <210> SEQ ID NO: 5  
 533 <211> LENGTH: 407 385(p.2)  
 534 <212> TYPE: PRT  
 535 <213> ORGANISM: Caenorhabditis elegans  
 538 <400> SEQUENCE: 5  
 539 Met Asp Leu Thr Lys Leu Thr Phe Glu Ser Val Phe Gly Gly Ser Asp  
 540 1 5 10 15  
 541 Val Pro Met Lys Pro Ser Arg Ser Glu Asp Asn Lys Thr Pro Arg Asn  
 542 20 25 30  
 543 Arg Thr Asp Leu Glu Met Phe Leu Lys Lys Thr Pro Leu Met Val Leu  
 544 35 40 45  
 545 Glu Glu Ala Ala Lys Ala Val Tyr Gln Lys Thr Pro Thr Trp Gly Thr  
 546 50 55 60  
 547 Val Glu Leu Pro Glu Gly Phe Glu Met Thr Leu Ile Leu Asn Glu Ile  
 548 65 70 75 80  
 549 Thr Val Lys Gly Gln Ala Thr Ser Lys Lys Ala Ala Arg Gln Lys Ala  
 550 85 90 95  
 551 Ala Val Glu Tyr Leu Arg Lys Val Val Glu Lys Gly Lys His Glu Ile  
 552 100 105 110  
 553 Phe Phe Ile Pro Gly Thr Thr Lys Glu Glu Ala Leu Ser Asn Ile Asp  
 554 115 120 125  
 555 Gln Ile Ser Asp Lys Ala Glu Glu Leu Lys Arg Ser Thr Ser Asp Ala  
 556 130 135 140  
 557 Val Gln Asp Asn Asp Asn Asp Asp Ser Ile Pro Thr Ser Ala Glu Phe

Does Not Comply  
Corrected Diskette Needed

## RAW SEQUENCE LISTING

DATE: 03/12/2004

PATENT APPLICATION: US/09/689,992B

TIME: 09:22:45

Input Set : A:\seq1st3.txt

Output Set: N:\CRF4\03122004\I689992B.raw

```

558 145          150          155          160
559 Pro Pro Gly Ile Ser Pro Thr Glu Asn Trp Val Gly Lys Leu Gln Glu
560          165          170          175
561 Lys Ser Gln Lys Ser Lys Leu Gln Ala Pro Ile Tyr Glu Asp Ser Lys
562          180          185          190
563 Asn Glu Arg Thr Glu Arg Phe Leu Val Ile Cys Thr Met Cys Asn Gln
564          195          200          205
565 Lys Thr Arg Gly Ile Arg Ser Lys Lys Lys Asp Ala Lys Asn Leu Ala
566          210          215          220
567 Ala Trp Leu Met Trp Lys Ala Leu Glu Asp Gly Ile Glu Ser Leu Glu
568 225          230          235          240
569 Ser Tyr Asp Met Val Asp Val Ile Glu Asn Leu Glu Glu Ala Glu His
570          245          250          255
571 Leu Leu Glu Ile Gln Asp Gln Ala Ser Lys Ile Lys Asp Lys His Ser
572          260          265          270
573 Ala Leu Ile Asp Ile Leu Ser Asp Lys Lys Arg Phe Ser Asp Tyr Ser
574          275          280          285
575 Met Asp Phe Asn Val Leu Ser Val Ser Thr Met Gly Ile His Gln Val
576          290          295          300
577 Leu Leu Glu Ile Ser Phe Arg Arg Leu Val Ser Pro Asp Pro Asp Asp
578 305          310          315          320
579 Leu Glu Met Gly Ala Glu His Thr Gln Thr Glu Glu Ile Met Lys Ala
580          325          330          335
581 Thr Ala Glu Lys Glu Lys Leu Arg Lys Lys Asn Met Pro Asp Ser Gly
582          340          345          350
583 Pro Leu Val Phe Ala Gly His Gly Ser Ser Ala Glu Glu Ala Lys Gln
584          355          360          365
585 Cys Ala Cys Lys Ser Ala Ile Ile His Phe Asn Thr Tyr Asp Phe Thr
586          370          375          380

```

E--&gt; 587 Asp

**VERIFICATION SUMMARY**

DATE: 03/12/2004

PATENT APPLICATION: US/09/689,992B

TIME: 09:22:46

Input Set : A:\seq1st3.txt

Output Set: N:\CRF4\03122004\I689992B.raw

L:587 M:252 E: No. of Seq. differs, <211> LENGTH:Input:407 Found:385 SEQ:5  
L:794 M:281 W: Numeric Fields not Ordered, <221> Sort in ascending order!  
L:798 M:258 W: Mandatory Feature missing, <220> Tag not found for SEQ ID#:8  
L:799 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0  
M:341 Repeated in SeqNo=8